(§371 of International Application Number PCT/JP03/05424)

Masahide ISHIKAWA, et al.

IN THE SPECIFICATION:

Please amend the paragraph beginning at page 2, line 20 and bridging to page 3, line 9 as

follows:

There have been various proposals up to now aimed at ameliorating the above problems.

Examples are treatment by a hydroxyamine or a phenylhydrazine (Japanese Unexamined Patent

Publication No.1985-32791 and Japanese Unexamined Patent Publication No.1985-42385), addition

of a non-aromatic organic amine (Japanese Unexamined Patent Publication No. 1987-4289), surface

treatment by an aliphatic metal salt, a lactic acid metal salt or the like (Japanese Unexamined Patent

Publication No.1987-50355), addition of an aliphatic amine (Japanese Unexamined Patent

Publication No. 1990-1906841 1990-196841), addition of sorbic acid and/or potassium sorbate

(Japanese Unexamined Patent Publication No.1993-202055), addition of an alkali metal salt of an

amino acid (Japanese Unexamined Patent Publication No.1997-286787) and like methods.

Please amend the paragraph beginning at page 31, line 14 as follows:

Preferred examples include sodium lauryl sulfate, sodium stearyl sulfate, sodium oleyl

sulfate, sodium polyoxyethylene (the number of moles of ethylene oxide added = 2 to 3) lauryl ether

sulfate, sodium polyoxyethylene (the number of moles of ethylene oxide added = 2 to 3) stearyl ether

2

Masahide ISHIKAWA, et al. (§371 of International Application Number PCT/JP03/05424) sulfate, sodium polyoxy sodium polyoxyethylene (the number of moles of ethylene oxide added = 2 to 3) nonylphenyl ether sulfate, and sodium polyoxy sodium polyoxyethylene (the number of moles of ethylene oxide added = 2 to 3) dodecylphenyl ether sulfate.

Please amend the paragraph beginning at page 39, line 24 and bridging to page 47, line 6 as follows:

Preferred examples of the diacetal composition comprising components (A), (B) and (C) include the following:

- (1) 1,3:2,4-O-dibenzylidene-D-sorbitol + lauryl alcohol + sodium stearate,
- 1,3:2,4-O-dibenzylidene-D-sorbitol + myristyl alcohol + sodium stearate,
- 1,3:2,4-O-dibenzylidene-D-sorbitol + palmityl alcohol + sodium stearate,
- 1,3:2,4-O-dibenzylidene-D-sorbitol + stearyl alcohol + sodium stearate,
- 1,3:2,4-O-dibenzylidene-D-sorbitol + 12-hydroxystearic acid + sodium laurate,
- 1,3:2,4-O-dibenzylidene-D-sorbitol + 12-hydroxystearic acid + sodium palmitate,
- 1,3:2,4-O-dibenzylidene-D-sorbitol + 12-hydroxystearic acid + lithium stearate,
- 1,3:2,4-O-dibenzylidene-D-sorbitol + 12-hydroxystearic acid + potassium stearate,
- 1,3:2,4-O-dibenzylidene-D-sorbitol + 12-hydroxystearic acid + sodium 12-hydroxystearate,
- 1,3:2,4-O-dibenzylidene-D-sorbitol + 12-hydroxystearic acid + sodium stearate,
- 1,3:2,4-O-dibenzylidene-D-sorbitol + 12-hydroxystearic acid + potassium 12-hydroxystearate,

- 1,3:2,4-O-dibenzylidene-D-sorbitol + 12-hydroxystearic acid + sodium behenate,
- 1,3:2,4-O-dibenzylidene-D-sorbitol + 12-hydroxystearic acid + sodium montanate,
- 1,3:2,4-O-dibenzylidene-D-sorbitol + 12-hydroxystearic acid + sodium oleate,
- 1,3:2,4-O-dibenzylidene-D-sorbitol + 12-hydroxystearic acid + lithium lauryl sulfate,
- 1,3:2,4-O-dibenzylidene-D-sorbitol + 12-hydroxystearic acid + sodium lauryl sulfate,
- 1,3:2,4-O-dibenzylidene-D-sorbitol + 12-hydroxystearic acid + potassium lauryl sulfate,
- 1.3:2.4-O-dibenzylidene-D-sorbitol + 12-hydroxystearic acid + potassium oleyl sulfate,
- 1,3:2,4-O-dibenzylidene-D-sorbitol + 12-hydroxystearic acid + sodium polyethyleneoxy sodium polyoxyethylene (3 moles added) lauryl sulfate,
- 1,3:2,4-O-dibenzylidene-D-sorbitol + 12-hydroxystearic acid + sodium glyceryl monolaurate sulfate,
- 1,3:2,4-O-dibenzylidene-D-sorbitol + 12-hydroxystearic acid + diethanolamine,
- 1,3:2,4-O-dibenzylidene-D-sorbitol + 12-hydroxystearic acid + triisopropanolamine.
- (2) 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol + lauryl alcohol + sodium stearate,
- 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol + myristyl alcohol + sodium stearate,
- 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol + palmityl alcohol + sodium stearate,
- 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol + stearyl alcohol + sodium stearate,
- 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium laurate,
- 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium palmitate,
- 1.3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + lithium stearate,
- 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium stearate,
- 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + potassium 12-

hydroxystearate,

hydroxystearate,

- 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium behenate,
- 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium montanate,
- 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium oleate,
- 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + lithium lauryl sulfate,
- 1.3:2.4-bis-O-(p-methylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium lauryl sulfate,
- 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol+12-hydroxystearic acid+potassium lauryl sulfate,
- 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + potassium oleyl sulfate,
- 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + potassium stearate,
- 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium 12-
- 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium polyethyleneoxy sodium polyoxyethylene (3 moles added) lauryl sulfate,
- 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium glyceryl monolaurate sulfate,
- 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + diethanolamine, and
- 1,3:2,4-bis-O-(p-methylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + triisopropanolamine.
- (3) 1,3:2,4-bis-O-(p-ethylbenzylidene)-D-sorbitol + lauryl alcohol + sodium stearate,
- 1,3:2,4-bis-O-(p-ethylbenzylidene)-D-sorbitol + myristyl alcohol + sodium stearate,
- 1.3:2.4-bis-O-(p-ethylbenzylidene)-D-sorbitol + palmityl alcohol + sodium stearate,
- 1,3:2,4-bis-O-(p-ethylbenzylidene)-D-sorbitol + stearyl alcohol + sodium stearate,

- 1,3:2,4-bis-O-(p-ethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium laurate,
- 1,3:2,4-bis-O-(p-ethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium palmitate,
- 1,3:2,4-bis-O-(p-ethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + lithium stearate,
- 1,3:2,4-bis-O-(p-ethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium stearate,
- 1,3:2,4-bis-O-(p-ethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + potassium 12-hydroxystearate,
- 1,3:2,4-bis-O-(p-ethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium behenate,
- 1,3:2,4-bis-O-(p-ethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + potassium stearate,
- 1,3:2,4-bis-O-(p-ethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium 12-hydroxystearate,
- 1,3:2,4-bis-O-(p-ethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium montanate,
- 1,3:2,4-bis-O-(p-ethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium oleate,
- 1.3:2.4-bis-O-(p-ethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + lithium lauryl sulfate,
- 1,3:2,4-bis-O-(p-ethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium lauryl sulfate,
- 1,3:2,4-bis-O-(p-ethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + potassium lauryl sulfate,
- 1,3:2,4-bis-O-(p-ethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + potassium oleyl sulfate,
- 1,3:2,4-bis-O-(p-ethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium polyethyleneoxy
- sodium polyoxyethylene (3 moles added) lauryl sulfate,
- 1,3:2,4-bis-O-(p-ethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium glyceryl monolaurate sulfate,
- 1,3:2,4-bis-O-(p-ethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + diethanolamine,

- 1,3:2,4-bis-O-(p-ethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + triisopropanolamine.
- (4) 1,3:2,4-bis-O-(3,4-dimethylbenzylidene)-D-sorbitol + lauryl alcohol + sodium stearate,
- 1,3:2,4-bis-O-(3,4-dimethylbenzylidene)-D-sorbitol + myristyl alcohol + sodium stearate,
- 1,3:2,4-bis-O-(3,4-dimethylbenzylidene)-D-sorbitol + palmityl alcohol + sodium stearate,
- 1,3:2,4-bis-O-(3,4-dimethylbenzylidene)-D-sorbitol + stearyl alcohol + sodium stearate,
- 1,3:2,4-bis-O-(3,4-dimethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium laurate,
- 1,3:2,4-bis-O-(3,4-dimethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium palmitate,
- 1,3:2,4-bis-O-(3,4-dimethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + lithium stearate,
- 1,3:2,4-bis-O-(3,4-dimethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium stearate,
- 1,3:2,4-bis-O-(3,4-dimethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + potassium 12-
- hydroxystearate,
- 1,3:2,4-bis-O-(3,4-dimethylbenzylidene)-D-sorbitol+12-hydroxystearic acid+potassium stearate,
- 1,3:2,4-bis-O-(3,4-dimethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium 12-
- hydroxystearate,
- 1,3:2,4-bis-O-(3,4-dimethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium behenate,
- 1,3:2,4-bis-O-(3,4-dimethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium montanate,
- 1,3:2,4-bis-O-(3,4-dimethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium oleate,
- 1,3:2,4-bis-O-(3,4-dimethylbenzylidene)-D-sorbitol+12-hydroxystearic acid+lithium lauryl sulfate,
- 1,3:2,4-bis-O-(3,4-dimethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium lauryl
- sulfate,
- 1,3:2,4-bis-O-(3,4-dimethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + potassium lauryl

1,3:2,4-bis-O-(3,4-dimethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + potassium oleyl sulfate,

1,3:2,4-bis-O-(3,4-dimethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium polyethyleneoxy sodium polyoxyethylene (3 moles added) lauryl sulfate,

1,3:2,4-bis-O-(3,4-dimethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + sodium glyceryl monolaurate sulfate,

1,3:2,4-bis-O-(3,4-dimethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + diethanolamine, 1,3:2,4-bis-O-(3,4-dimethylbenzylidene)-D-sorbitol + 12-hydroxystearic acid + triisopropanolamine, and the like.

Please amend the paragraph beginning at page 47, line 7 as follows:

The diacetal composition according to the present invention can be easily prepared by adding component (B) or components (B) and (C) to the diacetals represented by formula (A) formula (1).

Please amend the paragraph beginning at page 66, line 8 as follows:

In the diacetal compositions shown in Tables 2 and 3, the amount of component (B) and component (C) are expressed as a percentage (% by weight) based on the total amount of components (A) and (B) based on the total amount of components (A), (B) and (C). Accordingly, the percentage of component (A), MA (wt%), can be calculated as follows: MA = 100-(MB+MC), wherein MB is the percentage of component (B) (wt%) and MC is the percentage of component (C) (wt%), with the proviso that MC=0, if component (C) was not used. The same applies to the following Tables 4 and 5.

Please amend the paragraph beginning at page 75, line 17 as follows:

#### <u>COMPARATIVE EXAMPLE 9</u> <u>COMPARATIVE EXAMPLE 11</u>

Evaluation was conducted in the same manner as in Example 41, except that no nucleating agent was added. The results are shown in Table 6.